

*In the Claims:*

Claims 1-27 Cancelled

28. (Currently amended): An isolated polypeptide comprising a member selected from the group consisting of

- (a) an amino acid sequence matching SEQ ID NO:2 and
- (b) an immunogenic polypeptide comprising a fragment sequence of at least 15 amino acids that matches an aligned contiguous segment from amino acids positions 1-47 or amino acid positions 104-276 of SEQ ID NO:2,

wherein the isolated polypeptide, when administered to a subject in a suitable composition which can include an adjuvant, or a suitable carrier coupled to the polypeptide, induces an antibody or T-cell immune response to a the polypeptide having the sequence of SEQ ID NO:2.

29. (Canceled)

30. (Previously Presented): The isolated polypeptide of Claim 28, wherein the polypeptide is according to (a).

31-32. (Canceled)

33. (Previously Presented): The isolated polypeptide of Claim 28, wherein the polypeptide is according to (b).

34. (Canceled)

35. (Previously Presented): The isolated polypeptide of Claim 28, wherein the immunogenic fragment of (b) comprises at least 20 amino acids.

36. (Previously Presented): The isolated polypeptide of Claim 28, wherein the isolated polypeptide consists of SEQ ID NO:2.

37-38. (Canceled)

39. (Currently amended): A fusion protein comprising the isolated polypeptide of Claim ~~22~~  
28.

40-43. (Canceled)

44. (Previously Presented): A vaccine comprising the polypeptide of Claim 28 and a pharmaceutically acceptable carrier.

45. (Currently amended): The vaccine of Claim 44, wherein the vaccine comprises at least ~~one other two~~ *Moraxella catarrhalis* antigen antigens.

46 (Canceled)

47. (Currently amended): A method for inducing an immune response in a mammal comprising administration of the polypeptide of Claim 28 to a mammal.

48-50. (Canceled)

51. (New): The isolated polypeptide of claim 28, wherein the polypeptide is a recombinant polypeptide.

52. (New): A fusion protein comprising the isolated polypeptide of Claim 51.

53. (New): An immunogenic composition comprising the isolated polypeptide of Claim 52.

54. (New): An immunogenic composition comprising the isolated polypeptide of Claim 28.